

**Table 5-4**  
**Containment Area Alternative 3 Cost Estimate**  
**Removal and Disposal**  
**Investigation Area H1**  
**Mare Island, Vallejo, California**

	Quantity	Unit	Unit Price	Cost	Source/Subtotal	COMMENTS
<b>Administration</b>						
Home Office Administration and Support	1	LS	\$ 950,000	\$ 950,000	Engineer's Estimate	
Field Office Administration and Support	1	LS	\$ 2,370,000	\$ 2,370,000	Engineer's Estimate	
Engineering Design/Consulting	1	LS	\$ 2,750,000	\$ 2,750,000	Engineer's Estimate	
					\$ 6,070,000	
<b>Mobilization</b>						
Mobilization and Site Preparation	1	LS	\$ 35,000	\$ 35,000	Engineer's Estimate	20 equipment operators/site workers, per diem, vehicles and fuel
Equipment Staging	1	LS	\$ 45,000	\$ 89,645	Engineer's Estimate	20 equipment operators/site workers, per diem, vehicles and fuel Equipment for five phases of work.
					\$ 125,000	
<b>Construction</b>						
Landfill - Excavate Soil	950,000	CY	\$ 17.50	\$ 16,625,000	Engineer's Estimate	Based on estimates for Hot Spot excavation
Landfill - Import/Place Clean Backfill	500,000	CY	\$ 10.75	\$ 5,375,000	Engineer's Estimate	Based on estimates for Hot Spot excavation
Landfill - Groundwater Management	4,100,000	GL	\$ 0.08	\$ 328,000	Engineer's Estimate	Dewatering Excavation Spoils
					\$ 22,328,000	
<b>Disposal</b>						
Landfill - Load, T&D RCRA Soils	250,000	CY	\$ 317.65	\$ 79,412,500	Vendor Quote	Based on landfill information: RCRA volumes estimated at 250K CY
Landfill - Load, T&D Cal Reg Cls II soils	350,000	CY	\$ 115.70	\$ 40,495,000	Vendor Quote	Remainder of landfill volume assumed to be 50% Cal Reg Class II
Landfill -Load, T&D Non-Regulated Soils	350,000	CY	\$ 67.85	\$ 23,747,500	Vendor Quote	Remainder of landfill volume assumed to be 50% non regulated
					\$ 143,655,000	
<b>Remediation Activities</b>						
Wetlands Restoration	1	LS	\$ 899,000	\$ 899,000	Engineer's Estimate	Based on Estimates from Landfill Cap
					\$ 899,000	

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Confirmation/Characterization								
Landfill - Characterize Excavated Soil for T&D	950	EA	\$	350	\$	332,500	Engineer's Estimate	950 Samples estimated for waste profile
Landfill - Excavation Confirmation S/A	315	EA	\$	700	\$	220,500	Engineer's Estimate	100 foot grid for confirmation samples and analyses for metals and other COCs
						\$	553,000	
Analytical Monitoring								
Groundwater Testing	1	LS	\$	258,300	\$	258,300	Engineer's Estimate	
Monitoring Well Install/Mod/Maintenance	1	LS	\$	221,000	\$	221,000		Already conducted during Summer 2005
Data Validation GW Monitoring	1	LS	\$	21,300	\$	21,300	Engineer's Estimate	22 wells installed, 48 wells abandoned
Data Validation Confirmation Sampling	1	LS	\$	62,000	\$	62,000	Engineer's Estimate	
5-yr Groundwater Sampling	100	DY	\$	3,200	\$	320,000	Engineer's Estimate	Labor
						\$	883,000	
Demobilization								
Remediation Support Facility Teardown	3	DY	\$	9,600	\$	28,800	Engineer's Estimate	
Remediation Demobilization	1	LS	\$	18,800	\$	18,800	Engineer's Estimate	
						\$	48,000	
Report Sub-Total						\$	174,561,000	
25% contingency						\$	43,640,000	
Report Total						\$	218,201,000	